

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	11	pixel with (first gate (oxide or insulator) and second gate (oxide or insulator) or dgo or (twin or double or dual) gate (oxide or insulator))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/22 13:47
L3	11	pixel with (first gate (oxide or dielectric or insulator) and second gate (oxide or dielectric or insulator) or dgo or (twin or double or dual) gate (oxide or insulator))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/22 13:47
L4	624	(transfer transistor or TX) and (reset transistor or RX) and (drive transistor or DX or source follower) and (select transistor or SX)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/22 13:56
L5	248	(transfer transistor or TX) and (reset transistor or RX) and (drive transistor or DX or source follower) and (select transistor or SX) and gate (oxide or dielectric or insulator)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/22 16:50
L6	195	5 and peripheral	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/22 14:59
L9	9	6 and ("09941556" or "941556")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/22 14:56
L10	27	5 and peripheral with logic not 9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/22 15:03
L11	16	10 not ("09334261" or "334261")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/22 15:15

## EAST Search History

L12	11	11 not ("09686944" or "686944")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/22 15:05
L13	9	11 not ("09333011" or "333011")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/22 15:05
L14	8	13 not ("09686944" or "686944")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/22 15:14
L15	0	perihperal with logic and (Ohkawa-Narumi or Mouli-Chandra or Rhodes-Howard)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/22 15:11
L16	7	peripheral with logic and (Ohkawa-Narumi or Mouli-Chandra or Rhodes-Howard)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/22 15:11
L17	52	(transfer transistor or TX) and (reset transistor or RX) and (drive transistor or DX or source follower) and (select transistor or SX) and peripheral with logic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/22 15:13
L18	42	17 not ("09334261" or "334261" or "09686944" or "686944" or "09686944" or "686944")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/22 15:16
L19	36	17 not ("09334261" or "334261" or "09686944" or "686944" or "09686944" or "686944")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/22 15:16

## EAST Search History

L20	24	("3983395"   "4374700"   "4636829"   "4737852"   "5151385"   "5319604"   "5457433"   "5461425"   "5471515"   "5541402"   "5546205"   "5569616"   "5576763"   "5606295"   "5608243"   "5614744"   "5625210"   "5668613"   "5705846"   "5708263"   "5747840"   "5757045"   "5757453"   "5777701").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/22 15:26
L21	11	("3623132"   "4093872"   "4155094"   "4287441"   "4309624"   "4683580"   "4859624"   "5184203"   "5192990"   "5198880"   "5323052").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/22 15:22
L22	3	20 and gate adj oxide	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/22 15:26
L23	4	20 and gate adj oxide	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/22 15:35
L24	1223962	20 and gate (oxide or dielectric or insulator) not 23	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/22 15:35
L25	3	20 and gate (oxide or dielectric or insulator) not 23	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/05/22 15:35
L29	27	"6100551"	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/05/22 16:27
L30	1	"5471515".PN.	USPAT; USOCR	OR	OFF	2006/05/22 16:30
L34	6	(transfer (gate or transistor) or TX) and (reset (gate or transistor) or RX) and (drive transistor or DX or source follower) and (select transistor or SX) and ("09374990" or "374990")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/22 16:53
L35	119	substrate and epitaxial and CMOS adj imager and (mask resist) and pixel and logic and photodiode	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/05/22 17:09
L36	93	substrate and epitaxial and CMOS adj imager and (mask resist) and pixel and logic and photodiode and rhodes.in.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/22 17:10

## EAST Search History

L37	15	substrate and epitaxial and CMOS adj imager and (mask resist) and pixel and peripheral with logic and photodiode and rhodes.in.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/22 17:10
L38	152	CMOS adj imager and (mask resist) and pixel and logic and photodiode	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/22 17:10
L39	84	L38 and (field adj oxide fox)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/22 17:10
L40	85	"5614744" and oxide	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/22 17:10
L41	49	"5614744" and (insulator oxide dielectric) near gate	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/22 17:10
L42	15	cmos adj (image imager imaging) and (dual double) near3 (dielectric insulator insulating oxide insulated)	US-PGPUB; USPAT	OR	ON	2006/05/22 17:10
L43	157	drive same select same transfer same reset same pixel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/22 17:10
L44	1419	drive adj transistor same select select adj transistor same transfer same reset same pixel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/22 17:10
L45	98	drive adj transistor same select adj transistor same transfer adj transistor same reset adj transistor same pixel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/22 17:10
L46	50	L45 and lee.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/22 17:10
L47	22	L45 and hynix	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/22 17:10

## EAST Search History

L48	21	drive adj transistor same select adj transistor same transfer adj transistor same reset adj transistor and pixel and logic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/22 17:10
L49	149	drive adj transistor and select adj transistor and transfer adj transistor and reset adj transistor and pixel and logic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/22 17:10
L50	49590	(etching etched etch) near3 (wet-etching hydrofluoric acid HF buffered adj oxide adj etchant BOE)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/22 17:10
L51	961	mask near (removing removal) with thinner sulfuric with plasma	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/22 17:10
L52	17	cmos adj (image imager imaging) and (dual double) near3 (dielectric insulator insulating oxide insulated)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/22 17:10
L53	1758	(438/57,87,275).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/22 17:10
L54	15	substrate and epitaxial and CMOS adj imager and (mask resist) and pixel and peripheral with logic and photodiode and rhodes.in.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/22 17:10
L55	152	CMOS adj imager and (mask resist) and pixel and logic and photodiode	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/22 17:10
L56	84	L55 and (field adj oxide fox)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/22 17:10
L57	16	("4374700"   "5319604"   "5461425"   "5471515"   "5541402"   "5576763"   "5612799"   "5614744"   "5625210"   "5705846"   "5708263"   "5739562"   "5757045"   "6023081"   "6040593"   "6160282").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/22 17:10

## EAST Search History

L58	85	"5614744" and oxide	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/22 17:10
L59	49	"5614744" and (insulator oxide dielectric) near gate	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/22 17:10
L60	12	(US-20020096733-\$).did. or (US-5625210-\$ or US-5841176-\$ or US-5933190-\$ or US-6204524-\$ or US-6326652-\$ or US-6333205-\$ or US-6376868-\$ or US-6445014-\$ or US-6617174-\$ or US-6740915-\$ or US-6835637-\$).did.	US-PGPUB; USPAT	OR	OFF	2006/05/22 17:10
L61	119	substrate and epitaxial and CMOS adj imager and (mask resist) and pixel and logic and photodiode	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/22 17:10
L62	152	CMOS adj imager and (mask resist) and pixel and logic and photodiode	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/22 17:10
L63	260	cmos and (DGO Dual adj Gate adj Oxide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/22 17:10
L64	1	dual gate oxide and drive transistor and select transistor and transfer transistor and reset transistor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2006/05/22 17:10
L65	117	drive transistor and select transistor and transfer transistor and reset transistor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2006/05/22 17:10
L66	141	hynix and (first gate (oxide or insulator) and second gate (oxide or insulator) or (twin or double or dual) gate (oxide or insulator))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/22 17:10
L67	27	pixel and logic and (first gate (oxide or insulator) and second gate (oxide or insulator) or (twin or double or dual) gate (oxide or insulator))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/22 17:10

## EAST Search History

S31	64	(DGO Dual adj Gate adj Oxide) and (image imager imaging)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 16:09
S32	36	(US-20020028550-\$ or US-20020172070-\$ or US-20020187413-\$ or US-20020195669-\$ or US-20030015735-\$ or US-20030137892-\$ or US-20030224724-\$ or US-20040018711-\$ or US-20040070581-\$ or US-20040081069-\$ or US-20040102424-\$ or US-20040100895-\$ or US-20040106625-\$ or US-20040127501-\$ or US-20040132264-\$ or US-20040186111-\$ or US-20040214387-\$ or US-20050012791-\$ or US-20050018471-\$ or US-20050112835-\$).did. or (US-6362049-\$ or US-6459113-\$ or US-6573613-\$ or US-6642543-\$ or US-6680722-\$ or US-6720221-\$ or US-6756271-\$ or US-6781915-\$ or US-6785157-\$ or US-6794709-\$ or US-6806521-\$ or US-6833308-\$ or US-6838344-\$ or US-6864920-\$ or US-6902256-\$).did. or (KR-2002034316-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2005/08/16 16:21